

Single phase All-in-one hybrid energy storage system 600 to 1000 W

ASW A-S Series



Models:

ASW0600/1250A-S

ASW0800/1250A-S

ASW1000/1250A-S

ASW0600/2500A-S

ASW0800/2500A-S

ASW1000/2500A-S



Safe & reliable

- Isolated topology, safe and reliable low voltage system
- 10 years warranty
- All-around protection with Battery Management System (BMS)



Easy-to-install

- Quick plug design, easier installation process
- Compact exterior design, fits in your home decorated nicely
- All-in-one system, easy to install for everyone



User-friendly

- Low working temperature down to -15°C
- LCD display screen, intuitive setup and status monitoring
- Setup, commissioning, and monitoring via Solplanet app



Efficient & intelligent

- Over 200% PV array oversizing for higher yields
- 2 MPPTs with 4 strings, increase PV generation
- 6 work modes, 2 battery capacity choices

Technical Datasheet

ASW0600/
1250A-S

ASW0800/
1250A-S

ASW1000/
1250A-S

ASW0600/
2500A-S

ASW0800/
2500A-S

ASW01000/
2500A-S

PV input	Max. PV array power	2000 Wp	2000 Wp	2000 Wp	2000 Wp	2000 Wp	2000 Wp
	Max. input voltage	50 V					
	MPP voltage range / rated input voltage	16 V to 50 V / 40 V					
	Min. input voltage / start voltage	26 V / 30 V					
	No. of independent MPPT trackers / strings per MPPT input	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
	Max. input current per MPP tracker	28 A					
	Max. short-circuit current per MPP tracker	39 A					
Battery input	Rated battery energy	1.3 kWh			2.4 kWh		
	Rated capacity	27 Ah			50 Ah		
	Battery type	LiFePO4					
AC output(On-grid)	Nominal AC voltage	220V / 230V / 240V					
	AC voltage range	154 V - 276 V					
	Rated AC grid frequency	50 Hz / 60 Hz					
	AC grid frequency range	45~55 Hz / 55~65 Hz					
	Rated apparent power	600 VA	800 VA	1000 VA	600 VA	800 VA	1000 VA
	Max. apparent power	600 VA	800 VA	1000 VA	600 VA	800 VA	1000 VA
	Rated grid output current (@230 V)	2.6 A	3.5 A	4.4 A	2.6 A	3.5 A	4.4 A
	Max. grid output current	2.8 A	3.8 A	4.8 A	2.8 A	3.8 A	4.8 A
	Harmonics THDi (@ Nominal power)	< 3 % (of nominal power)					
AC input	Rated grid voltage	220V / 230V / 240V					
	Rated grid frequency	50 Hz / 60 Hz					
	Max. input power from grid	1000 W					
	Max. input current from grid	4.8 A					
AC output(Off-grid)	Nominal output voltage	230V					
	Nominal output frequency	50 Hz / 60 Hz					
	Rated apparent power	1000 VA					
	Peak output apparent power	1600VA, 60 s					
	Rated output current (@230 V)	4.4A					
	Max. output current	4.8A					
	Output THDv (@ Linear load)	< 2 %					
	EPS model	Manual switch					
Efficiency	MPPT efficiency	99.9 %					
	Max. battery to load efficiency	92.0 %					
General data	Power factor at rated power / adjustable range	1 / 0.8 leading to 0.8 lagging					
	Topology	Isolated					
	Dimensions (W / H / D)	600 / 400 / 310mm					
	Weight	30.5 kg			37.5 kg		
	Operating temperature range	-15 °C ... +45 °C					
	Cooling concept	Fan Cooling					
	Degree of protection (as per IEC 60529)	IP55					
	Max. relative humidity	95 %					
	Max. operating altitude	3000 m					
Features	User interface	LCD & App					
	Zero-export interface	CT					
	Internet communication interfaces	Wifi					
Certificates	Grid	VDE 4105 / EN 50549					
	Safety	IEC/EN 62109-1, IEC/EN 62109-2					
	EMC	IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3					
	Battery	IEC62619, UN 38.3					

